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BUREAU OF LAND MANAGEMENT

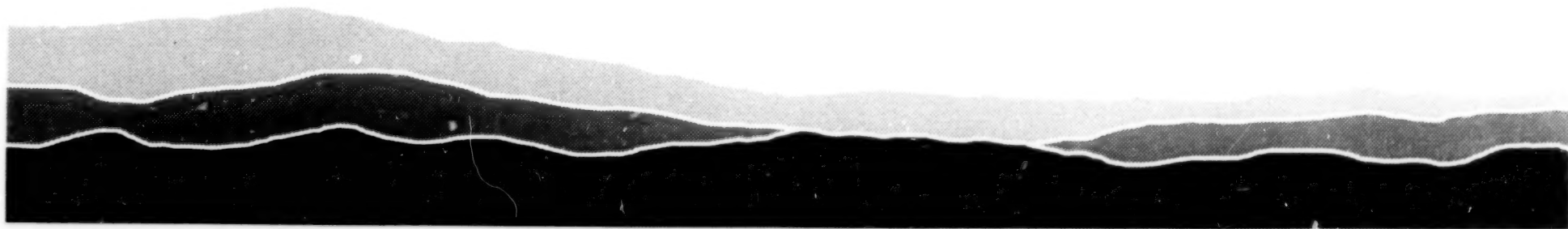
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Forestry Topics

1. Forests and Forestry

General treatments of the subject; forestry and society; topical issues; education; agency annual reports.

2. Forest Operations

a. Silviculture: silvicultural systems; economics; stand improvement; measurement; operations management; natural and artificial regeneration, genetics.
b. Engineering: road construction; protective works; logging; equipment.

3. Forest Injury and Protection

Insect damage and control; pesticide applications; insect and disease surveys; forest pathology.

4. Fire Management

All aspects, including presuppression, prevention education, behavior; fire weather.

5. Watershed Management, with Soil and Site Factors

Hydrology; runoff; sedimentation; erosion; climatology; meteorology; habitat regions; precipitation.

6. Range and Wildlife Management

7. Forest Recreation

8. Forest Products Research

Wood technology and utilization; markets and marketing; forest products industries.

Allied Topics

9. Life Sciences

Plant and animal ecology; botany; environmental quality; biochemistry; zoology; physiology; animal genetics.

10. Computer Science, Statistics and Mathematics

11. Social Sciences

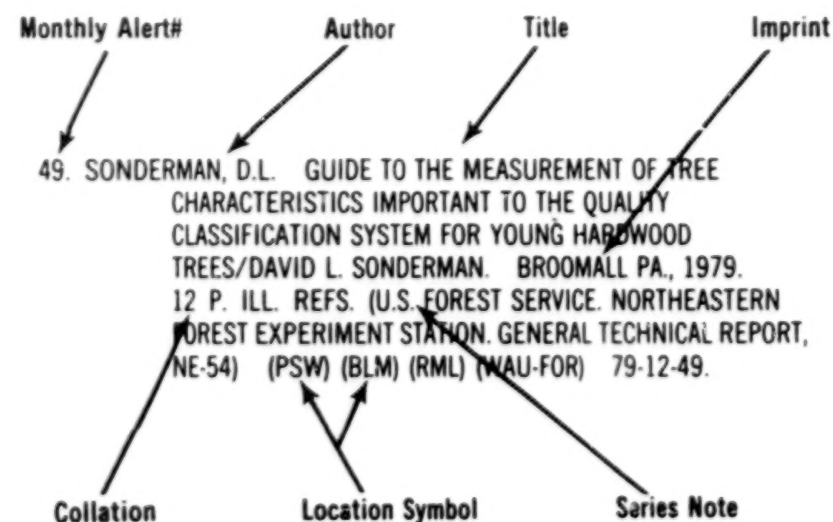
Environmental policy; regional planning; landscape analysis and planning; behavioral psychology; personnel management; office procedure and management.

12. Other Topics

The **Species Index** and the **Subject Index** on the following pages identify

individual citations by narrower, specific topics, e.g., management treatments, problem areas, and geographic locations.

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BLM-ALERT!

There is no Management Alert section this month. The next Alert issue will have a Management Alert section.

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222. BUILDING DESIGN, ENGINEERING, AND PROPERTIES

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801. Allocating federal funds for science and technology. AAAS science and technology policy yearbook, 1996-97. Washington, D.C. : American Association for the Advancement of Science, c1997: p. [179]-216.
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GEOLOGY ALERT

COAL/HYDROCARBONS

- G001. TITLE: Interpretation of methane carbon isotopes extracted from surficial marine sediments for detection of subsurface hydrocarbons
AUTHOR(S): Abrams, Michael A.
MONOGRAPH TITLE: Hydrocarbon migration and its near-surface expression
EDITOR(S): Schumacher, Dietmar; Abrams, Michael A.
CONFERENCE TITLE: AAPG Hedberg research conference
CONFERENCE LOCATION: Vancouver, BC, Canada,
CONFERENCE DATE: April 24-28, 1994
PUBLISHER: American Association of Petroleum Geologists, Tulsa, OK, United States
SOURCE: AAPG Memoir vol. 66 p. 309-318
DATE: 1996
NOTE: Modified version of a paper by Abrams, Michael A., Assoc. of Pet. Geochem. Expl. Bull., Vol. 5, p. 139-166, 1989
- G002. TITLE: Understanding geology as the key to using seepage in exploration; the spectrum of seepage styles
AUTHOR(S): Thrasher, Jane; Fleet, Andrew J.; Hay, Stephen J.; Hovland, Martin; Dueppenbecker, Stephan
MONOGRAPH TITLE: Hydrocarbon migration and its near-surface expression
EDITOR(S): Schumacher, Dietmar; Abrams, Michael A.
CONFERENCE TITLE: AAPG Hedberg research conference
CONFERENCE LOCATION: Vancouver, BC, Canada,
CONFERENCE DATE: April 24-28, 1994
PUBLISHER: American Association of Petroleum Geologists, Tulsa, OK, United States
SOURCE: AAPG Memoir vol. 66 p. 223-241
DATE: 1996
- G003. TITLE: Inorganic geochemistry of lignite in the Lone Formation, California, U.S.A.
AUTHOR(S): Finkelman, Robert B.; Bostick, Neely H.; Martin, Walt M.; Kirshenbaum, Noel W.
PUBLISHER: Society for Organic Petrology, Houston, TX, United States

SOURCE: Newsletter - Society for Organic Petrology vol. 13 no. 3;
p. 4-7
DATE: 199609

- G004. TITLE: Risk assessment; a key to environmental strategy
AUTHOR(S): Fairbanks, Paul E.
PUBLISHER: Blackwell Science, Cambridge, MA, United States
SOURCE: Environmental Geosciences vol. 3 no. 1; p. 45-54
DATE: 1996

MINERALS/MINERALOGY

- G005. TITLE: Juabite, Cu (sub 5) (Te (super 6+) O (sub 4)) (sub 2) (As (super 5+) O (sub 4)) (sub 2) .3H (sub 2) O, a new mineral species from the Centennial Eureka Mine, Juab County, Utah
AUTHOR(S): Roberts, Andrew C.; Gault, Robert A.; Jensen, Martin C.; Criddle, Alan J.; Moffatt, Elizabeth A.
PUBLISHER: Mineralogical Society, London, United Kingdom
SOURCE: Mineralogical Magazine vol. 61 no. 1; p. 139-144
DATE: 199702
- G006. TITLE: A comparison of metal attenuation in mine residue and overburden material from an abandoned copper mine
AUTHOR(S): Levy, D. B.; Custis, K. H.; Casey, W. H.; Rock, P. A.
PUBLISHER: Pergamon, Oxford-New York-Beijing, International
SOURCE: Applied Geochemistry vol. 12 no. 2; p. 203-211
DATE: 199703
- G007. TITLE: Diagenetic alteration of basaltic tephra in lacustrine deposits, southwestern Idaho and southeastern Oregon
AUTHOR(S): Sheppard, Richard A.
SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1996 25 p.
REPORT NO.: OF 96-0697
- G008. TITLE: Deep geoelectric structure for mineral resource assessment in the Payette National Forest, Idaho
AUTHOR(S): Rodriguez, Brian D.; Stanley, William D.; Heran, William D.

SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1996 16 p.
REPORT NO.: OF 96-0666

G009. TITLE: Geophysics of the San Bernardino National Forest,
Southern California
AUTHOR(S): Ponce, D. A.; Hanna, W. F.; Kingston, Marguerite; Simpson, S.
L.; Snyder, S. L.
SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1996 25 p.
REPORT NO.: OF 96-0654

G010. MONOGRAPH TITLE: Water-quality data for Doughty Springs, Delta County,
Colorado, 1903-1994, with emphasis on sulfur redox species
AUTHOR(S): Cunningham, K. M.; Wright, W. G.; Nordstrom, D. K.; Ball, J.
W.; Schoonen, M. A. A.; Xu, Y.
SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1996 69 p.
REPORT NO.: OF 96-0619

G011. TITLE: Mining properties in Montana that were involved in the
DMA, DMEA, or OME mineral exploration programs, 1950-1974
AUTHOR(S): Kiilsgaard, Thor H.
SOURCE: Open-File Report - U. S. Geological Survey
DATE: 1996 33 p. 1 sheet
REPORT NO.: OF 96-0501

G012. TITLE: Alunite, natroalunite and hydrated halloysite in Carlsbad Cavern
and Lechuguilla Cave, New Mexico
AUTHOR(S): Polyak, Victor J.; Gueven, Necip
SOURCE: Clays and Clay Minerals vol. 44 no. 6; p. 843-850
DATE: 1996

PETROLEUM/PETROLEUM ENGINEERING

G013. TITLE: Porosity prediction in deeply buried sandstones, with examples
from Cretaceous formations of the Rocky Mountain region
AUTHOR(S): Schmoker, James W.

MONOGRAPH TITLE: Geologic controls of deep natural gas resources in the
United States
EDITOR(S): Dyman, T. S.; Rice, D. D.; Westcott, P. A.
SOURCE: U. S. Geological Survey Bulletin p. 89-104
DATE: 1997
REPORT NO.: B 2146

G014. TITLE: Sequential Laramide deformation and Paleocene depositional
patterns in deep gas-prone basins of the Rocky Mountain region
AUTHOR(S): Perry, William J., Jr.; Flores, R. M.
MONOGRAPH TITLE: Geologic controls of deep natural gas resources in the
United States
EDITOR(S): Dyman, T. S.; Rice, D. D.; Westcott, P. A.
SOURCE: U. S. Geological Survey Bulletin p. 49-59
DATE: 1997
REPORT NO.: B 2146

G015. TITLE: Structural settings of deep natural gas accumulations in the
conterminous United States
AUTHOR(S): Perry, William J., Jr.
MONOGRAPH TITLE: Geologic controls of deep natural gas resources in the
United States
EDITOR(S): Dyman, T. S.; Rice, D. D.; Westcott, P. A.
SOURCE: U. S. Geological Survey Bulletin p. 41-46
DATE: 1997
REPORT NO.: B 2146

G016. TITLE: Geologic and production characteristics of deep natural gas
resources based on data from significant fields and reservoirs
AUTHOR(S): Dyman, T. S.; Spencer, C. W.; Baird, J. K.; Obuch, R. C.;
Nielsen, D. T.
MONOGRAPH TITLE: Geologic controls of deep natural gas resources in the
United States
EDITOR(S): Dyman, T. S.; Rice, D. D.; Westcott, P. A.
SOURCE: U. S. Geological Survey Bulletin p. 19-38
DATE: 1997
REPORT NO.: B 2146

G017. MONOGRAPH TITLE: Saline-water contamination in Quaternary deposits and
the Poplar River, East Poplar Oil Field, northeastern Montana
AUTHOR(S): Thamke, Joanna N.; Craig, Steven D.
SOURCE: Water-Resources Investigations - U. S. Geological Survey

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DATE: 199705 37 p. 3 sheets
REPORT NO.: WRI 97-4000
NOTE: Prepared in cooperation with the Water Resources Office of the Fort
Peck Tribes

Leonard, Robert B.; Imes, Jeffrey L.; Christenson, Scott C.
SOURCE: U. S. Geological Survey Professional Paper p. A1-A67
DATE: 1996
REPORT NO.: P 1414-A

G018. TITLE: Thermal history of sedimentary basins

AUTHOR(S): Yalcin, M. N.; Littke, R.; Sachsenhofer, R. F.
MONOGRAPH TITLE: Petroleum and basin evolution; insights from
petroleum geochemistry, geology and basin modeling
EDITOR(S): Welte, D. H.; Horsfield, B.; Baker, D. R.
PUBLISHER: Springer, Berlin, Federal Republic of Germany p. 71-167
DATE: 1997

G019. TITLE: Seismic and subsurface evidence of local sedimentary infill of
massive salt solution "micro-basins" in the Middle Jurassic Carmel
Formation, central Utah

AUTHOR(S): Garner, Gary L.
PUBLISHER: Rocky Mountain Association of Geologists (RMAG), Denver, CO,
United States
SOURCE: The Mountain Geologist vol. 34 no. 2; p. 63-72
DATE: 199704

G020. TITLE: The potential for coalbed gas exploration and production in the
greater Green River basin, Southwest Wyoming and Northwest Colorado
AUTHOR(S): Tyler, Roger; Kaiser, William R.; Scott, Andrew R.; Hamilton,
Douglas S.

MONOGRAPH TITLE: Gas reservoirs in the Rocky Mountains
EDITOR(S): Curtis, John B.
PUBLISHER: Rocky Mountain Association of Geologists (RMAG), Denver, CO,
United States
SOURCE: The Mountain Geologist vol. 34 no. 1; p. 7-24
DATE: 199701

STRUCTURAL GEOLOGY

G021. MONOGRAPH TITLE: Analysis of regional aquifers in the central Midwest of
the United States in Kansas, Nebraska, and parts of Arkansas, Colorado,
Missouri, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming;
summary

AUTHOR(S): Jorgensen, Donald G.; Helgesen, John O.; Signor, Donald C.;

ENVIRONMENTAL GEOLOGY

G022. TITLE: DC resistivity, ground-penetrating radar, and soil and water
quality data combined to assess hydrocarbon contamination; a case study
in Arizona

AUTHOR(S): Benson, Alvin K.; Mustoe, Nathan Brett
PUBLISHER: Blackwell Science, Cambridge, MA, United States
SOURCE: Environmental Geosciences vol. 3 no. 4; p. 165-175
DATE: 1996

G023. TITLE: Remote sensing for analysis of mine subsidence and mine wastes

AUTHOR(S): Petes, Douglas C.; Livo, K. Eric; Hauff, Phoebe L.
PUBLISHER: Blackwell Science, Cambridge, MA, United States
SOURCE: Environmental Geosciences vol. 3 no. 1; p. 11-20
DATE: 1996



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Brigham, William R. Wildlife water catchment construction in Nevada.
R1 Denver, Colo. : National Applied Resource Sciences Center, 1989.
QL84.2 .L35 no.397
- BIOLOGICAL DIVERSITY--OREGON--WILLAMETTE NATIONAL FOREST.
Retrospective studies of the effects of green tree retention on conifer
production and biodiversity on the Willamette National Forest : final
R2 report. [Corvallis, Or. : Oregon State University ; U. S. Forest Service,
1995]
SD387.E58 R477 1995
- CIVIL RIGHTS--U. S.
U. S. Dept. of Agriculture. Civil Rights Action Team. Civil rights at the
United States Department of Agriculture : a report. Washington, DC : U. S.
R3 Dept. of Agriculture, Civil Rights Action Team, [1997]
JC571 .A477 1997
- CONIFERS--PRUNING--NORTHWEST, PACIFIC--CONGRESSES.
Forest pruning and wood quality of western North American conifers.
R4 Seattle : College of Forest Resources, University of Washington, 1995.
SD397.C7 F666 1995
- CONIFERS--PRUNING--WEST (U.S.)--CONGRESSES.
Forest pruning and wood quality of western North American conifers.
R4 Seattle : College of Forest Resources, University of Washington, 1995.
SD397.C7 F666 1995
- CONIFERS--REPRODUCTION.
Retrospective studies of the effects of green tree retention on conifer
production and biodiversity on the Willamette National Forest : final
R2 report. [Corvallis, Or. : Oregon State University ; U. S. Forest Service,
1995]
SD387.E58 R477 1995
- CONSERVATION OF NATURAL RESOURCES--DATA PROCESSING.
Schmoldt, Daniel L. Building knowledge-based systems for natural resource
R5 management. New York : Chapman & Hall, c1996.
QA76.76.E95 S344 1996
- DISCRIMINATION--U. S.
U. S. Dept. of Agriculture. Civil Rights Action Team. Civil rights at the
R3 United States Department of Agriculture : a report. Washington, DC : U. S.
Dept. of Agriculture, Civil Rights Action Team, [1997]
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- EXPERT SYSTEMS (COMPUTER SCIENCE).
Schmoldt, Daniel L. Building knowledge-based systems for natural resource
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- FIRE ECOLOGY--OREGON--WILLAMETTE NATIONAL FOREST.
Kushla, John D. Analyzing fire mosaics in temperate coniferous forests
R6 with GIS and remote sensing. c1996.
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Kushla, John D. Analyzing fire mosaics in temperate coniferous forests
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Forest pruning and wood quality of western North American conifers.
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- FORESTS AND FORESTRY--RESEARCH--OREGON--WILLAMETTE NATIONAL FOREST.
Retrospective studies of the effects of green tree retention on conifer
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- GEOGRAPHIC INFORMATION SYSTEMS--OREGON--WILLAMETTE NATIONAL FOREST.
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- GOVERNMENT PRODUCTIVITY--U. S.
U. S. General Accounting Office. The Government Performance and Results
R7 Act : 1997 governmentwide implementation will be uneven : report to
Congressional committees. Washington, D.C. : The Office ; Gaithersburg,
MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1997]
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- HABITAT CONSERVATION--U. S.
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R8 for habitat improvement : wildlife, fish, and rare plants 1996 partnerships
report. Washington, DC : United States Department of Agriculture, Forest
Service, Wildlife, Fish, and Rare Plants Staff, [1997]
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- HYDROLOGY, FOREST--MATHEMATICAL MODELS.
Duan, Jinfan. A coupled hydrologic-geomorphic model for evaluating effects
R9 of vegetation change on watersheds. c1996.
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Da Rosa, Carlos D. Golden dreams, poisoned streams : how reckless mining pollutes America's waters, and how we can stop it. Washington, DC : Mineral Policy Center, 1997.
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Pollock, Michael Moritz. Patterns of plant species richness in emergent and forestry wetlands of southeast Alaska. 1995.
R11 QN541.15.S64 P644 1995a
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R12 TC423.6 .G555 1997
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Gray, Donald H. Biotechnical and soil bioengineering slope stabilization : a practical guide for erosion control. New York : John Wiley & Sons, c1996.
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- VEGETATION DYNAMICS--MATHEMATICAL MODELS.
Duan, Jinfan. A coupled hydrologic-geomorphic model for evaluating effects of vegetation change on watersheds. c1996. GB842 .D826 1996a
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- WATER--POLLUTION--U. S.
Da Rosa, Carlos D. Golden dreams, poisoned streams : how reckless mining pollutes America's waters, and how we can stop it. Washington, DC : Mineral Policy Center, 1997. TD428.M56 D322 1997
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- WATER USE--WEST (U.S.).
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- WATERSHEDS--MATHEMATICAL MODELS.
Duan, Jinfan. A coupled hydrologic-geomorphic model for evaluating effects of vegetation change on watersheds. c1996. GB842 .D826 1996a
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- WETLAND ECOLOGY--ALASKA--CHICHAGOF ISLAND.
Pollock, Michael Moritz. Patterns of plant species richness in emergent and forestry wetlands of southeast Alaska. 1995. QH541.15.S64 P644 1995a
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Pollock, Michael Moritz. Patterns of plant species richness in emergent and forestry wetlands of southeast Alaska. 1995. QH541.15.S64 P644 1995a
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- WILDLIFE HABITAT IMPROVEMENT.
Brigham, William R. Wildlife water catchment construction in Nevada. Denver, Colo. : National Applied Resource Sciences Center, 1989. QL84.2 .L35 no.397
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- WILDLIFE HABITAT IMPROVEMENT--U. S.--CITIZEN PARTICIPATION.
U. S. Forest Service. Wildlife, Fish and Rare Plants Staff. Partnerships for habitat improvement : wildlife, fish, and rare plants 1996 partnerships report. Washington, DC : United States Department of Agriculture, Forest Service, Wildlife, Fish, and Rare Plants Staff, [1997] QH75.A1 P677 1997
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- WILDLIFE HABITAT IMPROVEMENT--U. S.--FINANCE.
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- WOOD--NORTHWEST, PACIFIC--QUALITY--CONGRESSES.
Forest pruning and wood quality of western North American conifers. Seattle : College of Forest Resources, University of Washington, 1995. SD397.C7 F666 1995
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- WOOD--WEST (U.S.)--QUALITY--CONGRESSES.
Forest pruning and wood quality of western North American conifers. Seattle : College of Forest Resources, University of Washington, 1995. SD397.C7 F666 1995
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HOT OFF THE CATALOGING SHELF!

01/23/98

This month's Hot List includes the first part of a series of reports done for the Western Water Policy Review Advisory Commission issued from June through October 1997. Next month's list will include the second of the two parts.

DROUGHTS--WEST (U.S.)

Wilhite, Donald A.

Improving drought management in the West : the role of mitigation and preparedness : a report to the Western Water Policy Review Advisory Commission

R14 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
June 1997.

HD1695.A17 W477 1997

ECOSYSTEM MANAGEMENT--SOCIAL ASPECTS.

Brunson, Mark W.

Defining social acceptability in ecosystem management : a workshop proceedings

R15 -- Portland, Oregon : Forest Service, Pacific Northwest Research Station, 1996.

USFS GTR PNW-369

FOREST ECOLOGY--SOCIAL ASPECTS.

Brunson, Mark W.

Defining social acceptability in ecosystem management : a workshop proceedings

R15 -- Portland, Oregon : Forest Service, Pacific Northwest Research Station, 1996.

USFS GTR PNW-369

HYDROELECTRIC POWER PLANTS--WEST (U.S.)

Driver, Bruce C.

Western hydropower : changing values / new visions : a report to the Western Water Policy Review Advisory Commission

R16 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4774 1997

LOGGING--ENVIRONMENTAL ASPECTS.

Thomas, Jack Ward.

Rowland, Mary M.

The Starkey Project : history, facilities, and data collection methods for ungulate research

-- Portland, Or. : Forest Service, Pacific Northwest Research Station, 1997.

R17 July 1997.

The study concerned the effects of timber harvesting on Rocky Mountain elk, mule deer, and cattle.

USFS GTR PNW-396

RECREATION AREAS--U. S.--MANAGEMENT.

Cole, David N.

High-use destinations in wilderness : social and biophysical impacts, visitor responses, and management options

R18 -- Ogden, Utah : Forest Service, Intermountain Research Station, 1997.
October 1997.

USFS RP INT-496

WATER-SUPPLY--GOVERNMENT POLICY--WEST (U.S.)

Wilhite, Donald A.

Improving drought management in the West : the role of mitigation and preparedness : a report to the Western Water Policy Review Advisory Commission

R14 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
June 1997.

HD1695.A17 W477 1997

WATER RESOURCES DEVELOPMENT--LAW AND LEGISLATION--WEST (U.S.)

McDonald, J. William.

The Upper Basin's political conundrum : a deal is not a deal : a report to the Western Water Policy Review Advisory Commission

R16 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
July 1997.

HD1695.A17 W4772 1997

28

WATER-SUPPLY--WEST (U.S.)

Western States Water Council.

Water in the West today : a states' perspective : a report to the Western Water Policy Review Advisory Commission

R20 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
July 1997.

HD1695.A17 W4771 1997

WATERSHED MANAGEMENT--WEST (U.S.)

Eisel, Leo.

Platte River Basin study : a report to the Western Water Policy Review Advisory Commission

R21 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4779 1997

McClurg, Sue.

Sacramento-San Joaquin River Basin study : a report to the Western Water Policy Review Advisory Commission

R22 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4778 1997

Niemi, Ernest G.

Water management study : upper Rio Grande Basin : a report to the Western Water Policy Review Advisory Commission

R23 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
July 1997.

HD1695.A17 W4773 1997

Pontius, Dale.

Colorado River Basin study : final report : a report to the Western Water Policy Review Advisory Commission

R24 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4777 1997

WATER USE--WEST (U.S.)

Solley, Wayne B.

Estimates of water use in the Western United States in 1990 and water-use trends 1960-1990 : a report to the Western Water Policy Review Advisory Commission

R25 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4775 1997

WEST (U.S.)--POPULATION--ECONOMIC ASPECTS.

Case, Pamela J.

Patterns of demographic, economic and value change in the Western United States : implications for water use and management : a report to the Western Water Policy Review Advisory Commission

R26 -- Denver, CO : Western Water Policy Review Advisory Commission, 1997.
August 1997.

HD1695.A17 W4776 1997

WILDERNESS AREAS--U. S.--RECREATIONAL USE.

Cole, David N.

High-use destinations in wilderness : social and biophysical impacts, visitor responses, and management options

R18 -- Ogden, Utah : Forest Service, Intermountain Research Station, 1997.
October 1997.

USFS RP INT-496

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